

60
kW



YOU.POWERED.

LIQUID COOLED Standby Generators



SPECIFICATIONS

OVERVIEW						
Brand	Briggs & Stratton®					Fortress™
Model Number	076160	076360	076361	076363	076365	076860
Rated Countries	US / Canada					
Rated AC Voltage (Volts)	120 / 240		120 / 208	120 / 240	277 / 480	120 / 240
Frequency (Hz)	60					
Generator Breaker (Amps)	250		225	200	100	250
Operating Ambient Temperature (°C / °F)	-28 - 40 / -20 - 104					
Running Amperage (LP / NG) (Amps)	250 / 229		215 / 191	186 / 165	93 / 83	250 / 229
Running Watts¹ (LP / NG) (kW / kVA)	60/60 / 55/55		62/77.5 / 55/68.8			60/60 / 55/55
Running Amperage - Continuous Duty International Use Only (LP / NG) (Amps)	200 / 183		172 / 152	148 / 132	74 / 66	200 / 183
Running Watts - Continuous Duty International Use Only (LP / NG) (kW / kVA)	48/48 / 44/44		49.6/62 / 44/55			48/48 / 44/44
Phase	1		3			1
Engine						
Engine Brand/Manufacturer	PSI					
Model Type	5.7L Industrial Powertrain, 4-cycle					
Aspiration	Naturally Aspirated					
Speed (RPM)	1800					
Displacement (L / ci)	5.7 / 350					
Compression Ratio	9.4:1					
Rated Horsepower (gross hp)	113 LP / 104 NG					
Governor Type	Electronic					
Bore & Stroke (mm / in)	101.6 x 88.4 / 4.00 x 3.48					
Number of Cylinders	8					
Cylinder Arrangement	V8					
Start Type	Automatic					
Frequency Regulation Steady State, No Load to Full Load (%)	+/- 0.5					

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Engine	
Frequency Regulation, No Load to Full Load	Isochronous
Air Filter Type	Dry
Low Oil Pressure Sensor	Yes
Low Coolant Sensor	Yes
Engine Block Heater	Yes
Engine - Output Deratings	
Rated Temperature (°C / °F)	25 / 77
Rated Altitude (Above Sea Level) (m / ft)	366 / 1200
Temperature Derate	1.5% for every 5.6°C (10°F) above rated temp
Altitude Derate	2.5% for every 305m (1000ft) above rated altitude
Sound Rating ²	
No Load dB(A)	70
Air Induction System	
Combustion Air (m ³ /min / cfm)	4.9 / 173
Lubrication System	
Type	Full Pressure
Oil Capacity (L / qt)	4.7 / 5.0
Oil Filter (Quantity / Type)	1 / Cartridge
Cooling System	
Cooling System Type	Radiator, Closed-loop
Coolant Capacity (Engine Only) (L / qt)	7.8 / 8.1
Coolant Capacity (System Total) (L / qt)	22.7 / 24
Heat Rejected to Cooling Water at Rated Load (kcal/sec / BTU/min)	13.1 / 3120
Water Pump Type	Centrifugal
Electrical System	
Ignition System	HVS Distributor
Battery Quantity	1
Battery Voltage (VDC)	12
Battery CCA (Amps)	775
Starter Motor Voltage (VDC)	12
Battery Charging Alternator	
Ground (Negative / Positive)	Negative
Nominal Voltage (VDC)	12
Maximum Amperage (Amps)	70

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Exhaust System

Exhaust Manifold Type	Dry
Exhaust Flow at Rated Load (m³/min / cfm)	15.8 / 553
Exhaust Temperature at Rated Load (°C / °F)	732 / 1350
Maximum Allowable Back Pressure (kPa / in Hg)	10.2 / 3

Fuel System

Fuel Type	NG / LPV
Fuel Supply Line Inlet	1" NPT
Recommended Fuel, Lower Heating Value Minimum (MJ/m³ / BTU/ft³)	NG: 34.3 / 904 LPV: 87.1 / 2338
Fuel Supply Pressure (mbar / in H₂O)	17-28 / 7-11

Fuel Consumption³

No Load, NG (BTU/hr)	264,000
No Load, NG (ft³/hr)	264
No Load, NG (m³/hr)	7.5
Half Load, NG (BTU/hr)	561,000
Half Load, NG (ft³/hr)	561
Half Load, NG (m³/hr)	15.9
Full Load, NG (BTU/hr)	753,000
Full Load, NG (ft³/hr)	753
Full Load, NG (m³/hr)	21.4
No Load, LP (BTU/hr)	264,000
No Load, LP (ft³/hr)	106
No Load, LP (m³/hr)	3
Half Load, LP (BTU/hr)	644,000
Half Load, LP (ft³/hr)	258
Half Load, LP (m³/hr)	7.3
Full Load, LP (BTU/hr)	875,000
Full Load, LP (ft³/hr)	350
Full Load, LP (m³/hr)	10

Alternator Specifications

Alternator Type	Self-Excited, 4-Lead	Self-Excited, 12-Lead	Self-Excited, 4-Lead
Alternator Manufacturer	Coliseum		
Alternator Model Number	60BSPP-0	60TBSPP-2	60BSPP-0
Frequency (Hz)	60		
Exciter Type - Primary Alternator	Self-Excited		
Insulation Rating (Class)	H		

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Alternator Specifications			
Designed Temperature Rise (°C)	125		
Bearing (Quantity / Type)	1 / Sealed		
Coupling	Flexible Disk		
Amortisseur Windings	Full		
Number of Poles	4		
Voltage Regulator	Analog, 1-phase Sensing		
Voltage Regulation, No Load to Full Load (%)	+/- 1.0		
One-step Load Acceptance	100% of Rating		
Total Harmonic Distortion (THD), No Load to Full Load (%)	< 5.0		
Controls/Instrumentation			
Controller Manufacturer	Briggs & Stratton	ComAp	Briggs & Stratton
Controller	Briggs & Stratton	IntelliLite	Briggs & Stratton
Charger	Integrated	Accessory	Integrated
Starting	AMF	2-wire	AMF
Alternator Frequency	Yes		
Real Time Clock	Yes		
Single & 3-phase Sensing	No	Yes	No
Configurable Outputs	No	Yes	No
Configurable Inputs	No	Yes	No
Engine Maintenance Alarms	No	Yes	No
Engine Hour Counter	Yes		
Engine Runtime Scheduler	Yes	No	Yes
Event Log	No	Yes	No
Web-based Monitoring	No	Yes	No
NFPA 110 Compliant (Battery Charger, Controller Upgrade)	No	Yes	No
Controller Features			
True 3-phase Generator Sensing	No	Yes	No
Power Monitoring (kW, kVA, kVAR)	No	Yes	No
Remote Communications (RS232 & RS485) Capable	No	Yes	No
Configurable Inputs / Outputs	No	Yes	No
CAN Sensing	No	Yes	No
Configurable Display Languages	No	Yes	No
ComAp LiteEdit PC Software	No	Yes	No

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Other Features			
Battery Rack and Cables		Yes	
Electronic, Isochronous Governor		Yes	
Gas Fuel System		Yes	
Integral Vibration Isolation		Yes	
Oil Drain Extension		Yes	
Operation and Installation Manual(s)		Yes	
Aluminum Sound Enclosure		Yes	
Accessories			
Battery Charger, Marinco	No	6279-00	No
Battery Charger, Sentinel	No	6339-00	No
Controller Remote Communication Module, IL-NT GPRS	No	6354-00	No
Controller Remote Communication Module, IB-LITE	No	6355-00	No
Controller Remote Communication Module, IL-NT RS232-485	No	6356-00	No
Controller Remote Communication Module, IL-NT S-USB	No	6357-00	No
Remote Annunciator, RA-15	No	6334-00	No
Remote Display, IL-NT RD	No	6353-00	No
Emergency Stop Switch, NEMA 4X	No	6360-00	No
Emergency Stop Switch, w/ Cover	No	6361-00	No
Local Emergency Stop Switch	6491-00	No	6491-00
Battery Warmer		6343-00	
Battery Cable Lockout		6335-00	
Engine Communication Cable		6350-00	
Controller Communication Cable, USB-A to USB-B	6428-00	No	6428-00
Controller Communication Cable, RS232 Null Modem to USB-A	No	6429-00	No
Maintenance Kit		6168-00	
Limited Warranty ⁴			
Warranty: Generator, Domestic (Parts / Labor / Travel) (Years)		5	6
Warranty: Generator, International (Parts / Labor / Travel) (Years/Hour)		4 / 1200	N/A
Warranty: Engine, Domestic (Parts / Labor / Travel) (Years)		3	

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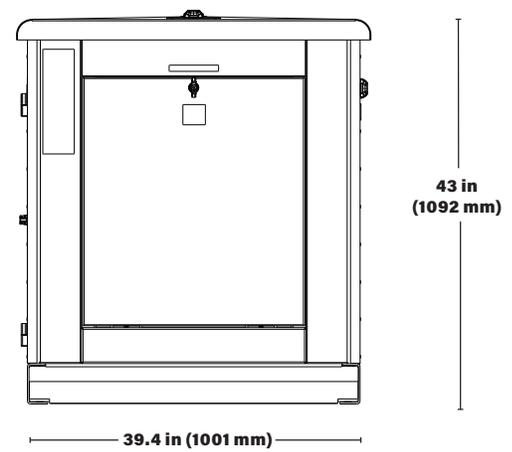
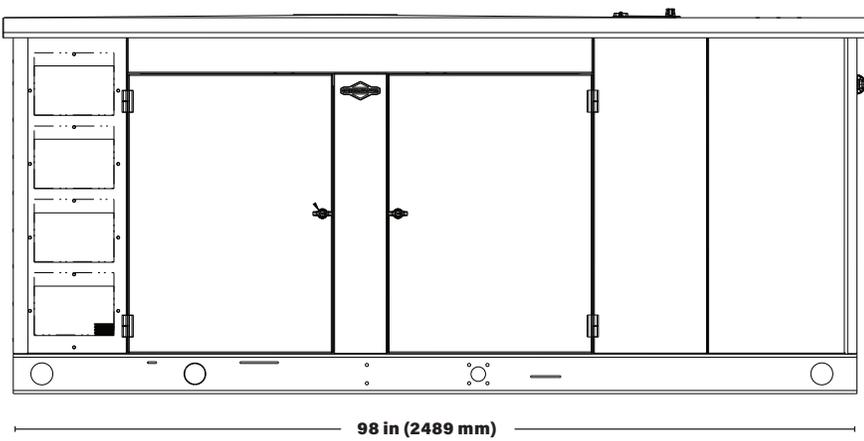
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Limited Warranty ⁴			
Warranty: Engine, International (Parts / Labor / Travel) (Years)		2	N/A
Warranty: Enclosure, Surface Rust and Corrosion (Parts / Labor / Travel) (Years)		1	
Warranty: Enclosure, Rust Through (Parts / Labor / Travel) (Years)		3	
Certifications			
UL		Yes	
cUL		Yes	
Weights & Dimensions			
Assembled Dimensions (Length x Width x Height) (in / mm)		98 x 39.4 x 43 / 2489 x 1001 x 1092	
Assembled Weight (lbs / kg)		2020 / 916	
Packaged Dimensions (Length x Width x Height) (in / mm)		103.9 x 48 x 50.4 / 2638 x 1219 x 1280	
Packaged Weight (lbs / kg)		2419 / 1097	



¹ This generator is listed in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-14 (motors and generators).
² Lowest no-load measurement per ISO 3744. Sound level measurement at other locations around generator may be different depending upon installation configuration.
³ Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances - fuel flow rates may vary depending on these factors.
⁴ See Operator's Manual or BRIGGSandSTRATTON.com for complete warranty details.

Briggs & Stratton has a policy of continuous product improvement and reserves the right to modify its specifications at any time and without prior notice.
 This standby generator is not for Prime Power applications.
 Please visit BRIGGSandSTRATTON.com for the latest information.
 BS1376 - 4/22

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